

6FQ5A

High-Mu Triode

7-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater Characteristics and Ratings (*Design-Maximum Values*):

Voltage (AC or DC) 6.3 ± 0.6 volts

Current at heater volts = 6.3 0.180 amp

Peak heater-cathode voltage:

Heater negative with respect to cathode . . . 100 max. volts

Heater positive with respect to cathode . . . 100 max. volts

Direct Interelectrode Capacitances (Approx.):^a

Grid to plate 0.52 μf

Grid to cathode, internal shield, and heater. 5.0 μf

Plate to cathode, internal shield, and heater. 3.5 μf

Heater to cathode 2.5^b μf

Characteristics, Class A₁ Amplifier:

Plate Voltage 135 volts

Grid Voltage -1.2 volts

Amplification Factor 74

Plate Resistance (Approx.) 6300 ohms

Transconductance 12000 μmhos

Plate Current 8.9 ma

Grid Voltage (Approx.) for plate $\mu\text{a} = 100$. . -4.5 volts

Mechanical:

Operating Position Any

Type of Cathode Coated Unipotential

Maximum Overall Length 2-1/8"

Maximum Seated Length 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip) . . 1-1/2" \pm 3/32"

Diameter 0.650" to 0.750"

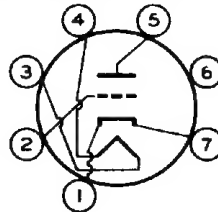
Dimensional Outline See *General Section*

Bulb T5-1/2

Base Small-Button Miniature 7-Pin (JEDEC No. E7-1)

Basing Designation for BOTTOM VIEW 7FP

Pin 1 - Cathode
Pin 2 - Grid
Pin 3 - Heater
Pin 4 - Heater



Pin 5 - Plate
Pin 6 - Internal Shield
Pin 7 - Cathode



RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.

DATA
3-62

6FQ5A

AMPLIFIER — Class A₁

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE. 200 max. volts
GRID VOLTAGE:
Negative-bias value. 50 max. volts
CATHODE CURRENT. 22 max. ma
PLATE DISSIPATION. 2.5 max. watts

Maximum Circuit Values:

Grid-Circuit Resistance:
For cathode-bias operation 1 max. megohm

^a with external shield JEDEC No.316 connected to cathode except as noted.

^b with external shield JEDEC No.316 connected to ground.

CURVES

shown under Type 6GK5 also apply to the 6FQ5A

